

**BACHELOR OF COMPUTER APPLICATIONS (Pre-revised)
(BCA)**

Term-End Practical Examination

December, 2017

00456

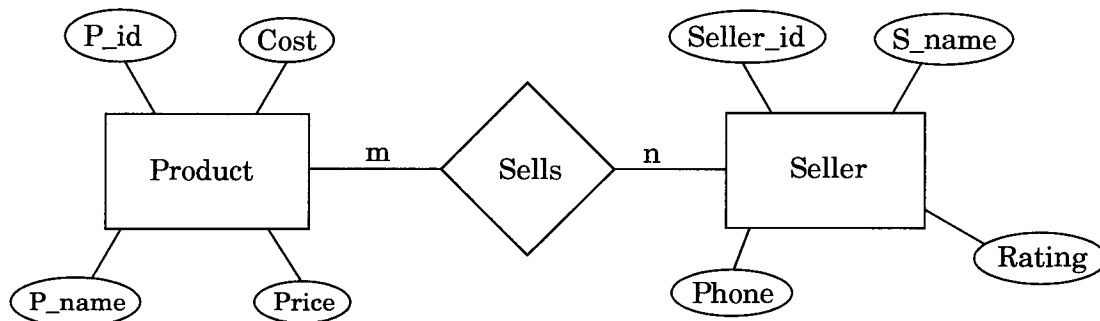
CS-67(P)/S4 : RDBMS LAB

Time : 2 Hours

Maximum Marks : 75

- Note :**
- (i) *There is one **compulsory** question in this paper carrying 50 marks. Rest 25 marks are for viva-voce.*
 - (ii) *You may use any RDBMS for implementation.*
 - (iii) *Make and state suitable assumptions, if any.*

1. Consider the following ERD :



Cost is the cost of production; Price is the selling price of a product. Rating is a value between 1 to 5; 1 being lowest and 5 being highest.

Please note a product can be sold by many sellers and a seller can sell many products. Perform the following tasks for the ERD given above :

- (a) Design and implement normalised relations/tables for the ER diagram. You must include primary key, validation checks and referential integrity constraints in your implementation. 20
- (b) Enter 5 – 6 sets of meaningful data in every table that you have created in part (a). 10

(c) Design and implement the following forms/queries/reports for the database created by you :

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- (i) Create two forms — one for entering product information and the other to enter seller information.
- (ii) List the product id (P_id) and product name (P_name) of all those products whose price is less than 1000.
- (iii) List the names of all the sellers who sell the product whose name is “TV-36”.
- (iv) List the details of all the sellers in the order of their Rating (in decreasing order).
- (v) Count the number of sellers for the product whose P_id is “P001”.
